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⑪ Publication number: 0 527 030 A3

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EUROPEAN PATENT APPLICATION

⑬ Application number: 92307113.8

⑮ Int. Cl. 5: G01V 1/40, G01V 1/20

⑯ Date of filing: 04.08.92

⑰ Priority: 05.08.91 US 739951

⑲ Date of publication of application:
10.02.93 Bulletin 93/06

⑳ Designated Contracting States:
FR GB NL

㉑ Date of deferred publication of the search report:
11.08.93 Bulletin 93/32

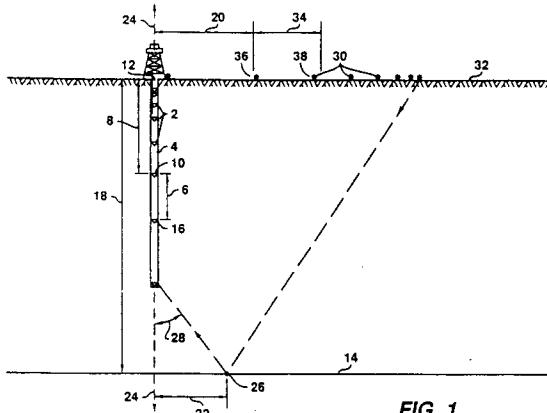
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㉕ Vertical seismic profiling.

㉖ In a method and system for creating a vertical seismic profile (VSP), the spacing interval (6) between units (20) either seismic sources or receivers, in a borehole (4) increases exponentially as their distance (8) from the surface (32) increases, and the spacing interval between units (30), either seismic sources or receivers, along the surface of the earth (32) decreases exponentially as their distance (20) from the surface intercept (12) of the wellbore increases. In a preferred embodiment of this invention, the common depth point (CDP) fold of the data gathered is substantially flattened across the reflectors (14) surveyed.



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EUROPEAN SEARCH REPORT

Application Number

EP 92 30 7113

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	GB-A-1 204 364 (MOBIL OIL CORP.) * page 5, column 1, line 58 - page 5, column 2, line 97; figure 3 * ---	1	G01V1/40 G01V1/20
A	US-A-3 893 539 (MOTT-SMITH) * column 4, line 24 - column 4, line 29; figure 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G01V
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	10 JUNE 1993	ANDERSON A.TH.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			